# AN OPTIMIZED OF CONGESTION CONTROL MECHANISM OF VANETs FOR NON-SAFETY MESSAGES TRANSMISSION USING TAGUCHI METHOD

**by**

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| | |
|---|---|
| AP | Access Point |
| AODV | Ad hoc On-Demand Distance Vector |
| BE | Best Effort Traffic |
| BK | Background Traffic |
| BSS | Basic Service Set |
| CCH | Control Channels |
| CRaSCH | Cooperative Reservation of SCH |
| CSMA/CA | Carrier Sense Multiple Access with collision avoidance |
| DSRC | Dedicated Short Range Communication |
| DCF | Distributed Coordination Function |
| DSCA | Dynamic Service-Channels Allocation |
| DYMO | Dynamic MANET On-demand |
| DSR | Dynamic Source Routing |
| EDCA | Enhanced Distributed Channel Access |
| FCC | Federal Communications Commission |
| FIFO | First in First out |

| | |
|---|---|
| GPRS | General Packet Radio Service |
| GPS | Global-Position-System |
| IEEE | Institute of Electrical and Electronics Engineers |
| ITA | Intelligent Transport Application |
| ITS | Intelligent transports system |
| ISM | Industrial, Science and Medical |
| MAC | Medium Access Control |
| MANET | Mobile ad hoc Network |
| MF | Mobility Framework |
| NHTS | National Highway Traffic Safety Admin |
| NAs | Network-Authorities |
| OBE | On-board-Equipment |
| OBU | On board units |
| OFDM | Orthogonal Frequency Division Multiplexing |
| OSI | Open System Interconnect |
| PCF | Point Coordination Function |
| PDR | Packet Delivery Ratio |
| RERR | Route Error |

| | |
|---|---|
| RREQ | Route Request |
| RREP | Route Reply |
| RSU | Road-side-unit |
| RTAs | Regional-Transportation-Authorities |
| SPAT | Signal-Phase-and-Timing |
| SCH | Service Channels |
| TEA | Transport-Efficiency-Applications |
| TSA | Transport-Safety-Applications |
| UMTS | UTRA Terrestrial Radio Access Time Division Duplex |
| VIN | Vehicle Identification Number |
| VSC | Vehicle-Safety-Communication |
| VSCC | Vehicle Safety Communication Consortium |
| VANET | Vehicular Ad hoc Network |
| V2V | Vehicle to Vehicle |
| V2R | Vehicle-to-Roadside |
| V2I | Vehicle-to-Infrastructure |
| V2I | Vehicle to Infrastructure |
| VCI | Variable CCH interval |